

# P14LR

## Recessed LED IC panel

1'x4', 2'x2', 2'x4'

Project: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Catalogue #: \_\_\_\_\_  
 Drawn by: \_\_\_\_\_  
 Date: \_\_\_\_\_

P14LR is a series of energy-saving, super bright and environmentally friendly panel lights. The beam was designed with a wide angle to help provide a uniform light output making it comfortable to the eye and an ideal replacement for fluorescent fixtures in offices, schools and a variety of other commercial or industrial applications. Designed for insulated ceiling applications for general and task lighting.

### FEATURES AND SPECIFICATIONS

#### CONSTRUCTION

##### Housing and finishing

Frame is made of aluminum with a white finish. Comes complete with earthquake clips.

##### Mounting

Recessed inverted T-Bar ceilings, grid mount. Dry wall and surface kits available as options.

#### ELECTRICAL

120-277V and 120-347V electronic driver with 0-10V dimming standard. Long life LED that provide 80+ CRI, standard in 3000K, 3500K, 4000K and 5000K. Estimated lifespan of over 60,000 hours to L70. Colour consistency (SDCM) is 3 step MacAdam ellipse.

##### Emergency back up available contact factory.

- Working temperature: -20°C ~ +45°C
- Storage temperature: -25°C ~ +65°C

#### Beams

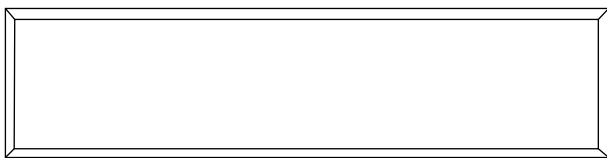
- Beam angle: 120°

#### COMPLIANCES

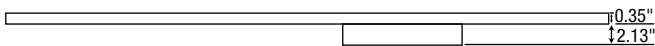
- cULus
- cCSAus listed for damp location
- DLC
- Meets requirements of ICES-005
- Conformed to:  
CAN/ULC-S102.2-10  
CAN/ULC-S102.3-07

### DIMENSIONS

#### TOP VIEW



#### SIDE VIEW



Dimensions	
1'x4'	47.75" x 11.81"
2'x2'	23.74" x 23.74"
2'x4'	47.75" x 23.74"



QUICKSHIP



LED



DIMMABLE



DAMP LOCATION



ICES 005



Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/search](http://www.designlights.org/search).

### OVERVIEW

Light source	LED
Wattage	40W - 60W
Lumens	4513lm - 6600lm
lm/W	105lm/W - 119lm/W
Colour temperature	3000K, 3500K, 4000K, 5000K
CRI	80+
Weight	1x4: 11.5 lbs, 2x2: 11 lbs, 2x4: 20 lbs

This warranty is conditioned upon proper installation, use and maintenance. For more details please consult [aimlite.com/warranty/](http://aimlite.com/warranty/).

## QUICK SHIP ORDERING GUIDE \*

Part number	Size	Wattage	Lumens	Voltage	Colour temperature	LM/W	PF	CRI	THD
<b>120-277V</b>									
P14LR-1LA2-2/30K	1x4	45W	5032	120-277V	3000K	111lm/W	0.901	80+	21%
P14LR-1LA2-2/35K	1x4	45W	4950	120-277V	3500K	110lm/W	0.901	80+	21%
P14LR-1LA2-2/40K	1x4	45W	5175	120-277V	4000K	115lm/W	0.901	80+	21%
P14LR-1LA2-2/50K	1x4	45W	5175	120-277V	5000K	115lm/W	0.900	80+	21%
P14LR-2LA2-2/30K	2x2	45W	4899	120-277V	3000K	108lm/W	0.901	80+	21%
P14LR-2LA2-2/35K	2x2	45W	4950	120-277V	3500K	110lm/W	0.901	80+	21%
P14LR-2LA2-2/40K	2x2	45W	5175	120-277V	4000K	115lm/W	0.901	80+	21%
P14LR-2LA2-2/50K	2x2	45W	5175	120-277V	5000K	115lm/W	0.901	80+	20%
P14LR-4LA0-2/40K	2x4	40W	4600	120-277V	4000K	115lm/W	0.941	80+	14%
P14LR-4LA1-2/30K	2x4	60W	6446	120-277V	3000K	105lm/W	0.903	80+	19%
P14LR-4LA1-2/35K	2x4	60W	6300	120-277V	3500K	105lm/W	0.903	80+	19%
P14LR-4LA1-2/40K	2x4	60W	6600	120-277V	4000K	110lm/W	0.903	80+	19%
P14LR-4LA1-2/50K	2x4	60W	6600	120-277V	5000K	110lm/W	0.901	80+	19%
<b>120-347V</b>									
P14LR-1LA2-32/30K	1x4	40W	4513	120-347V	3000K	111lm/W	0.901	80+	17%
P14LR-1LA2-32/35K	1x4	40W	4400	120-347V	3500K	110lm/W	0.900	80+	17%
P14LR-1LA2-32/40K	1x4	40W	4400	120-347V	4000K	110lm/W	0.900	80+	17%
P14LR-1LA2-32/50K	1x4	40W	4400	120-347V	5000K	110lm/W	0.900	80+	19%
P14LR-2LA2-32/30K	2x2	40W	4572	120-347V	3000K	119lm/W	0.917	80+	18%
P14LR-2LA2-32/35K	2x2	40W	4400	120-347V	3500K	110lm/W	0.937	80+	15%
P14LR-2LA2-32/40K	2x2	40W	4600	120-347V	4000K	115lm/W	0.937	80+	15%
P14LR-2LA2-32/50K	2x2	40W	4600	120-347V	5000K	115lm/W	0.935	80+	15%
P14LR-4LA1-32/30K	2x4	60W	6747	120-347V	3000K	111lm/W	0.900	80+	18%
P14LR-4LA1-32/35K	2x4	60W	6600	120-347V	3500K	110lm/W	0.900	80+	18%
P14LR-4LA1-32/40K	2x4	60W	6600	120-347V	4000K	110lm/W	0.900	80+	18%
P14LR-4LA1-32/50K	2x4	60W	6600	120-347V	5000K	110lm/W	0.900	80+	18%

\* **QUICK SHIP:** Product availability is subject to change without notice. Please contact your AimLite customer service representative to confirm inventory levels at time of order.

### Comments

## LUMEN AND SPECIFICATION CHART

General specifications											Lumen maintenance		
Package	Size	Input voltage (V)	LED current (mA)	System power (W)	Lumens	LM/W	CCT	CRI	PF	THD	Reported L70	Calculated TM21 @ 55°C	LM80 @ (Hrs)
<b>120-277V</b>													
P14LR-1LA2-2/30K	1x4	120-277V	451-219mA	45.27W	5032.1	111.16 lm/W	2987K	83.2	0.9011 (90.11%)	21.25%	>60,000	110,000	10,000
P14LR-1LA2-2/35K	1x4	120-277V	451-219mA	45W	4950	110 lm/W	3500K	83.2	0.9 (90%)	21.25%	>60,000	110,000	10,000
P14LR-1LA2-2/40K	1x4	120-277V	451-219mA	45W	5175	115 lm/W	4000K	83.2	0.9 (90%)	21.25%	>60,000	110,000	10,000
P14LR-1LA2-2/50K	1x4	120-277V	451-219mA	45W	5175	115 lm/W	5000K	82.8	0.9 (90%)	20.92%	>60,000	110,000	10,000
P14LR-2LA2-2/30K	2x2	120-277V	430-210mA	45.18W	4899.3	108.44 lm/W	2912K	81.7	0.9166 (91.66%)	20.56%	>60,000	110,000	10,000
P14LR-2LA2-2/35K	2x2	120-277V	430-210mA	45W	4950	110 lm/W	3500K	81.7	0.9366 (93.66%)	20.56%	>60,000	110,000	10,000
P14LR-2LA2-2/40K	2x2	120-277V	430-210mA	45W	5175	115 lm/W	4000K	81.7	0.9366 (93.66%)	20.56%	>60,000	110,000	10,000
P14LR-2LA2-2/50K	2x2	120-277V	430-210mA	45W	5175	115 lm/W	5000K	82.7	0.9353 (93.53%)	20.02%	>60,000	110,000	10,000
P14LR-4LA0-2/40K	2x4	120-277V	450-160mA	40W	4600	115 lm/W	4000K	84.8	0.9413 (94.13%)	14.49%	>60,000	110,000	10,000
P14LR-4LA1-2/30K	2x4	120-277V	576-274mA	61.33W	6446	105.1 lm/W	3035K	83.8	0.9026 (90.26%)	18.62%	>60,000	110,000	10,000
P14LR-4LA1-2/35K	2x4	120-277V	576-274mA	60W	6300	105 lm/W	3500K	83.8	0.9026 (90.26%)	18.62%	>60,000	110,000	10,000
P14LR-4LA1-2/40K	2x4	120-277V	576-274mA	60W	6600	110 lm/W	4000K	83.8	0.9026 (90.26%)	18.62%	>60,000	110,000	10,000
P14LR-4LA1-2/50K	2x4	120-277V	576-274mA	60W	6600	110 lm/W	5000K	83.7	0.9011 (90.11%)	18.70%	>60,000	110,000	10,000

<b>120-347V</b>													
P14LR-1LA2-32/30K	1x4	120-347V	988-990mA	40.63W	4513	111.8 lm/W	3105K	84	0.901 (90.1%)	17.23%	>60,000	110,000	10,000
P14LR-1LA2-32/35K	1x4	120-347V	988-990mA	40W	4400	110 lm/W	3500K	84	0.9 (90%)	17.23%	>60,000	110,000	10,000
P14LR-1LA2-32/40K	1x4	120-347V	988-990mA	40W	4400	110 lm/W	4000K	84	0.9 (90%)	17.23%	>60,000	110,000	10,000
P14LR-1LA2-32/50K	1x4	120-347V	988-990mA	40W	4400	110 lm/W	5000K	83.2	0.9 (90%)	18.62%	>60,000	110,000	10,000
P14LR-2LA2-32/30K	2x2	120-347V	982-985mA	38.46W	4572	118.88 lm/W	2981K	82.9	0.9166 (91.66%)	18.03%	>60,000	110,000	10,000
P14LR-2LA2-32/35K	2x2	120-347V	982-985mA	40W	4400	110 lm/W	3500K	82.9	0.9366 (93.66%)	15.03%	>60,000	110,000	10,000
P14LR-2LA2-32/40K	2x2	120-347V	982-985mA	40W	4600	115 lm/W	4000K	82.9	0.9366 (93.66%)	15.03%	>60,000	110,000	10,000
P14LR-2LA2-32/50K	2x2	120-347V	982-985mA	40W	4600	115 lm/W	5000K	83.9	0.9353 (93.53%)	15.11%	>60,000	110,000	10,000
P14LR-4LA1-32/30K	2x4	120-347V	1497-1504mA	60.78W	6747	111.01 lm/W	3154K	84	0.8997 (89.97%)	18.45%	>60,000	110,000	10,000
P14LR-4LA1-32/35K	2x4	120-347V	1497-1504mA	60W	6600	110 lm/W	3500K	84	0.9 (90%)	18.45%	>60,000	110,000	10,000
P14LR-4LA1-32/40K	2x4	120-347V	1497-1504mA	60W	6600	110 lm/W	4000K	84	0.9 (90%)	18.45%	>60,000	110,000	10,000
P14LR-4LA1-32/50K	2x4	120-347V	1497-1504mA	60W	6600	110 lm/W	5000K	82.7	0.9 (90%)	18.20%	>60,000	110,000	10,000

### TM21 TABLE

Time (t) at which to estimate lumen maintenance (hours)	110,000
Lumen maintenance at time (t) (%)	70.57%
Calculated L70 (hours)	110,000
Reported L70 (hours)	>60,000

### ACCESSORIES (order separately)

PF-DWK-1X4	Dry wall kit for 1'x4'
PF-DWK-2X2	Dry wall kit for 2'x2'
PF-DWK-2X4	Dry wall kit for 2'x4'
CAS896-1	Surface kit for 1'x4'
CAS896-2	Surface kit for 2'x2'
CAS896-4	Surface kit for 2'x4'
KIT-ACC-10-DIM	10' Suspension cable kit with canopy and dimming wire
KIT-ACC-10	10' Suspension cable kit with canopy (no dimming)
KIT-AC-10	10' Suspension aviation cable (no canopy, no dimming)